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Date: June 15, 2004

M. Keati

**PATENT** 50626.53

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Chun Ho FAN et al.

Serial No.: 10/643,961

Filing Date: August 20, 2003

For: IMPROVED BALL GRID ARRAY

PACKAGE AND PROCESS FOR

MANUFACTURING SAME

Art Unit: 2812

Examiner: Unknown

## COMMENTARY RE INFORMATION DISCLOSURE STATEMENT

Mail Stop DD Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

In accordance with 37 CFR §1.56, and in recognition of their duty to disclose to the United States Patent and Trademark Office relevant information known to be material to patentability, Applicants herewith submit a copy of the prior art listed on the attached Information Disclosure Statement (Form PTO-1449). Applicants have not enclosed copies of the U.S. Patents since this is no longer required. The relevance of the German reference DE 100 15 962 is set forth in the full English translation thereof. The statement is not a representation that all of the information cited is necessarily effective as prior art against the application.

-LFW

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Applicants respectfully request that the disclosed reference be made of record in the subject application.

Date: June 15, 2004

Attorneys for Applicant(s)

Respectfully submitted,

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INFORMATION DISCLOS

## URE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	
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Complete if Known			
Application Number	10/643,961		
Filing Date	August 20, 2003		
First Named Inventor	Chun Ho FAN		
Art Unit	2812		
Examiner Name			
Attorney Docket Number	50626.53		

U.S. PATENT DOCUMENTS					
Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initiais*	No.1	Number-Kind Code <sup>2(if known)</sup>	MM -YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
	1	6,631,078	10/2003	ALCOE et al.	
	2	6,037,658	03/2000	BRODSKY et al.	
<u>-</u>	3	2002/0005578	01/2002	KODAMA et al.	
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FOREIGN PATENT DOCUMENTS						
Examine r Initiais*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> Number-Kind Code <sup>5</sup> (if known)	Publication Date MM -YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	4	DE 100 15 962 (full English translation)	10/2001	GERMANY		
				•		
				•		

Examiner	Date	
Signature	Considered	

<sup>\*</sup>Examiner: Initial if reference considered, whether of not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

Applicant unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent documents at www.uspto.gov or MPEP 901.04. <sup>3</sup> Enter Office that issued the document by the two-letter code (WIPO Strandard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Abstract is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14.